

DERWENT-ACC-NO: 1977-B9346Y

DERWENT-WEEK: 197710

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TITLE: Knee protection for car occupant - has vacuum servos for automatic adjustment to size of occupant when door opened

PATENT-ASSIGNEE: VOLKSWAGENWERK AG[VOLS]

PRIORITY-DATA: 1975DE-2537212 (August 21, 1975)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE <u>2537212</u> A	March 3, 1977	N/A	000	N/A

INT-CL (IPC): B60R021/10

ABSTRACTED-PUB-NO: DE 2537212A

BASIC-ABSTRACT:

The front of the vehicle compartment has a padded protector at the level of the knees. This supports the lower part of the body in a collision. The pad automatically adjusts to suit the size of the seat occupant and is retracted when the door is opened.

A sensor plate in front of the pad monitors the position of the knees to operate vacuum operated servos to adjust the pad position. The sensor plate presses on a switch linked between the engine inlet vacuum and the two servos. A connection to a door operated switch controls the retraction of the pad. In a collision the servo settings are locked and the impact force is taken up by the padding.

TITLE-TERMS: KNEE PROTECT CAR OCCUPY VACUUM SERVO AUTOMATIC ADJUST SIZE OCCUPY DOOR OPEN

DERWENT-CLASS: Q17